Course Prefix and Number: DNA 109

Credits: 3

Course Title: Practical Infection Control

Course Description: Studies the principles of management of disease-producing microorganisms and associated diseases. Emphasizes sterilization, asepsis, and disinfection techniques applicable in the dental office. Prerequisite: Completion of courses in Health Science I Career Studies Certificate. Prerequisites or Co-requisites: DNA 100, DNA 103, DNA 108, DNA 113, and DNA 120. Lecture 2 hours. Laboratory 3 hours. Total 5 hours per week.

General Course Purpose: DNA 109 emphasizes to the student the importance of safety concerning infection control, blood borne pathogens, disease transmission, and chemical hazards.

Course Prerequisites and Co-requisites:
Prerequisite: Completion of courses in Health Science I Career Studies Certificate
Prerequisites or Co-requisites: DNA 100, DNA 103, DNA 108, DNA 113, and DNA 120

Student Learning Outcomes:
Upon completing the course, the student will be able to
a. Describe the dental assistant’s role in prevention of disease transmission;
b. Explain the routes of disease transmission;
c. Discuss the body’s immune system;
d. Demonstrate the steps toward effective hand washing;
e. Describe the importance of hand washing;
f. Explain the differences of the three federal agencies that enforce hazard guidelines;
g. Discuss material safety data sheets;
h. List the guidelines for minimizing hazards;
i. Identify some of the hazards in the dental office;
j. Explain the blood borne pathogens standard;
k. Describe the differences between nonhazardous and hazardous waste;
l. Describe the mode of action, advantages, and disadvantages of the methods of sterilization;
m. Compare sterilization and disinfection in reference to what can and can’t be sterilized;
n. Describe the various disinfectants and if they can be used for cold sterilization;
o. Demonstrate the preparation of the operatory for a patient;
p. Demonstrate how to clean and disinfect a treatment room; and
q. Demonstrate recirculation of instruments.

Major Topics to Be Included:
a. Patient data gathering
b. Microbiology and disease transmission
c. Infection control in dentistry
d. Disinfection and sterilization

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